THE WELDING JOURNAL

INDEX TO VOLUME 16—1937

Published by the American Welding Society, 33 West 39th Street, New York, N. Y.

INDEX TO SUBJECTS

Aircraft—Arc Welded Construction—Merritt L. Smith, April, p. 10.
Alloys—Nickel Copper Welding—A. E. Gibson, Feb., Research Supplement, pp. 2–6.
Alloy Steels—Spot Welding of—G. S. Mikhalapov, Oct., pp. 59–61.
Alloy Steels, Low—A. B. Kinzel, Oct., p. 61.
Alloy Steel Welding—F. J. Esslinger, Jan., pp. 20–21.
Aluminum and Its Alloys—Review of German Literature—July, Research Supplement, pp. 39–40.
Aluminum Chairs—Owen C. Jones, June, pp. 32–33.
Arc—What Happens in Welding—S. C. Osborne, June, pp. 11–15.
Auto Body Doctor—E. R. Mecleary, Sept., p. 23.
Automotive—Manufacturing Special Truck Bodies—M. L. Eckman, Aug., pp. 19–20.
Automotive—Pictorial Review—Nov., pp. 32–33.
Automotive Welding—Jigs and Fixtures—J. W. Meadowcroft April, pp. 11–13.
Automotive Welding—Metallurgical Problems—Armand Di Giulio, March, pp. 8–14.

Braze Welding Shear Frame—R. B. Keller, Feb., p. 13.
Brazing in a Continuous Furnace with Protective Atmosphere—E. Kuhlmann, Nov., Research Supplement, pp. 62–63.
Bronze Welding Cast Iron—J. C. Carter, Jan., p. 7.

Cast Iron Impeller in Chemical Plant—W. M. Lyon, April, p. 13.
Cast Iron—Malleable—W. Spraragen and G. E. Claussen, June, Research Supplement, pp. 10–14.
Cast Iron Welding, Bronze—J. C. Carter, Jan., p. 7.
Cast Iron Welding—W. Spraragen and G. E. Claussen, March, Research Supplement, pp. 2–32.
Cast Steel—W. Spraragen and G. E. Claussen, April, Research Supplement, pp. 2–11.
Castings, Ferrous Alloys—W. Spraragen and G. E. Claussen, June, Research Supplement, pp. 5–9.
Chrome Nickel Steel—A. S. M. E. Boiler Code, April, p. 18.
Copper and Its Alloys—Ira T. Hook, Feb., Research Supplement, pp. 7–32.
Copper-Base Alloys, Spot Welding of—D. K. Crampton and J. J. Vreeland, Oct., Research Supplement, pp. 9–18.
Copper Welding—Ira T. Hook, March, Research Supplement, pp. 33–46.
Copper, Welding of—A. P. Young, Oct., Research Supplement, pp. 30–40.
Copper Welding—Silicon Bronze, Qualifying Welders of—Chas. W. Reid, March, pp. 5–7.
Corrosion of Welds—C. J. Holslag, Jan., p. 4.
Corrosion Resistance of Welded Joints—Aug., Research Supplement, pp. 1–44.
Corrosion Tests of Welded Low-Carbon Stainless Steel—G. A. Ellinger and L. C. Bibber, April, pp. 18–19.
Cutting Steel Underwater—Charles Kandel, April, p. 31.

Dam Construction—T. B. Jefferson, Oct., pp. 6–12.
Dam—Grand Coulee—A. G. Wikoff, Sept., pp. 20–22.
Dam Project—Fort Peck—W. M. Galloway, April, p. 19.
Design Involving Fillet Welds—C. D. Jensen, Jan., pp. 2–4.
Developments in Fusion Welding—C. W. Obert, Nov., pp. 27–30.

Fatigue Behavior of Welded Beams—G. Bierett, May, pp. 10–11.
Fatigue Strength of Welded Joints—Jan., Research Supplement, pp. 1–44.
Fatigue Tests of Butt Welds in Structural Plates—W. M. Wilson, Oct., Research Supplement, pp. 23–27.
Fatigue Tests of Butt Welds in Structural Plates—Discussion of—Jonathan Jones, Nov., p. 22.
Filler Metal Specifications—American Welding Society—Aug., pp. 21–26.
Fluxes—Fundamentals in Arc Welding—D. L. Mathias, Feb., pp. 20–24.
Furniture Making—A. F. Davis, Aug., p. 29.

Gas Cutting—Dr. G. V. Slottman, Feb., pp. 9–13.
Gas Cutting—Mechanical Cutting in Railroad Work—H. Bass, Oct., pp. 18–21.
Gas Cutting Process—H. R. Bullock, Oct., Research Supplement, pp. 50–52.
Gas Cutting Stainless-Clad and Nickel-Clad Steel Plates—H. V. Inskeep, Aug., pp. 2–5.
Gas Cutting Stainless Steel—F. Judelsohn, March, pp. 14–15.
Gas Cutting Torches—E. L. Mathy, Sept., p. 19.
Generators—Volt-Ampere Characteristics on Penetration—N. Frazier, Nov., pp. 13–14.
Growth and Spread of Arc Welding in Canada—A. S. Wall, Nov., pp. 5–12.
Growth of Welding—H. S. Card, Nov., p. 19.

Hard-Faced Circular Saws—R. K. Kennedy, Aug., p. 10.
Hard Facing—Jan., p. 10.
Hard Facing Procedure—E. E. LeVan, April, pp. 32–36.
Hard Surfacing—Blade Warpage Overcome—R. K. Kennedy, Nov., pp. 18–19.
Hard Surfacing Manganese Steel Shovel Teeth—Don Llewellyn, March, p. 15.
Heat Effect in Welding—W. H. Bruckner, Oct., Research Supplement, pp. 53–70.

Impact Tensile Properties of Welds at Ordinary and Low Temperature—Otto H. Henry, Oct., Research Supplement, pp. 41–46.
Inspection by Magnaflux Method—T. C. Rathbone, April, pp. 22–27. R. F. Cavanagh, April, pp. 28–30.
Inspection of Pressure Vessels—J. W. Yant, Jan., pp. 5–7.
Inspection of Welded Pressure Vessels—E. R. Fish, May, pp. 4–5.

Jigs and Fixtures—Automotive Welding—J. W. Meadowcroft, April, pp. 11–13.
Jigs for Welding Monel Sheets—W. F. Sitler, April, p. 6.

Locomotive Boiler Flues and Super-Heater Tubes—H. A. Woofter, Sept., pp. 24–27.
Locomotive Driving Boxes, Building Up—I. T. Bennett, Oct., pp. 37–43.

Machine Parts Fabrication—T. Johnston, June, pp. 30–32.
Machine Tool Design—F. L. Plummer, March, p. 7.
Machinery—All-Steel Deep Throat Presses—K. S. Burditt, June, p. 15.
Machinery—Distortion Control in Fabricating a 200-Ton Chain Testing Press—J. H. Cooper, Aug., pp. 27–28.
Machinery—Welded Diesel Engine Cylinder Head—Aug., pp. 28–29.
Machinery, Welded Steel in Heavy—Harold Verson, March, pp. 2–4.
Machinery—Welded Steel in High-Speed Railroad Service—Everett Chapman, July, pp. 8–12.
Machinery—Welded Structures for Hydraulic Turbines—G. A. Jessop, April, pp. 2–6.
Machinery—Welding and Annealing Telescope Parts—Norman L. Mochel, June, pp. 24–27.
Machinery—Wheels—A. F. Davis, June, p. 10.
Magnaflux Inspection of Pressure Vessel Welds—J. W. Yant, Jan., pp. 5–7.
Maintenance—Repairing Casting—M. G. Mossholder, Sept., p. 31.
Manganese Steel Shovel Teeth, Rebuilding—Don Llewellyn, March, p. 15.
Metallurgical—Factors Affecting Properties of Welds and Base Metal Adjacent to the Weld—R. E. Long, April, pp. 19–20.
Metallurgical Problems of Welding in the Automobile Industry—Armand DiGiulio, March, pp. 8–14.
Monel Metal Structures, Arc Welding of—July, Research Supplement, pp. 4–7.

Nickel High Strength Steels—A. E. Gibson, Feb., Research Supplement, pp. 2–6.
Non-Destructive Tests—An Alternating Current Method—W. B. Kouwenhoven and A. E. Vivell, Oct., Research Supplement, pp. 47–50.
Non-Destructive Tests—Magnaflux Method—T. C. Rathbone, April, pp. 22–27.
R. F. Cavanagh, April, pp. 28–30.

Oxy-Acetylene Welding—Dr. G. V. Slottman, Feb., pp. 9–13.

Peening and Its Effects on Arc Welds—E. M. MacCutcheon, Jr. and D. M. Kingsley, Jr., July, Research Supplement, pp. 22–28.

Petroleum Industry--Aug., pp. 34-35.
Physical Properties of Welds—G. E. Claussen, March, pp. 16-19.
Pipe—Bending—R. B. Aitchison, Nov., pp. 15-17.
Pipe Welding—S. C. Clark, Feb., pp. 24-25.
Pipe Welding Casing—H. S. Card, Sept., p. 27.
Pipe Welding Manifold—A. F. Davis, April, p. 20.
Piping Services in Buildings—A. S. McCawley, July, pp. 28-30.
Plug and Slot Welds—G. J. Gibson, July, Research Supplement, pp. 10-21.
Power Supply, Arc Welding—R. L. Spaulding, Aug., pp. 8-10.
Power Supply for Welding—A. S. Douglass and L. W. Clark, Oct., pp. 64-68.
Pressure Vessel—High Tensile Boiler Steels—H. Aysslinger, June, Research Supplement, pp. 15-16.
Pressure Vessels Inspection—J. W. Yant, Jan., pp. 5-7.
Pressure Vessels for Petroleum Industry—R. K. Hopkins, Jan., pp. 16-19.
Pressure Vessels, Inspection of —E. R. Fish, May, pp. 4-5.
Pressure Vessel Progress—Address of Welcome before National Board of Boiler and Pressure Vessel Inspectors—D. S. Jacobus, June, p. 34.
Pressure Vessels—Repairing Furnace Crowns—H. C. Shepheard, July, pp. 27-28.
Pressure Vessels, Stainless as Applied to—J. C. Holmberg, Oct., pp. 44-49.
Pressure Vessel Welding—Qualifying Welders of Silicon Bronze—Chas. W. Reid, March, pp. 5-7.
Process—Some Factors to Be Considered in Choice of Welding Process—L. J. Larson, Sept., pp. 40-45.
Procedure Control—C. Louis, June, pp. 28-30.
Progress Report—Welding in Germany—W. Lohmann, April, Research Supplement, pp. 11-16.

Qualification of Processes and Operators—American Welding Society Report, July, pp. 15-16.
Qualifying Welders of Silicon Bronze—Chas. W. Reid, March, pp. 5-7.
Qualifying Welding Operators—Gilbert D. Fish, E. R. Fish, W. S. Hays, R. B. Lincoln, Bureau of Navigation, Aug., pp. 30-32.
Qualifying Welding Operators—Navy Department Rules—Nov., pp. 21-22.

Rail End Building Up—C. B. Bronson, Jan., pp. 12-13.
Rail Ends for Arc Welding—C. A. Daley, March, p. 7.
Rail Joint, Thermit Welding of—W. Ahlert, Nov., Research Supplement, pp. 63-64.
Rail—Recent Tests and Development—F. R. Layng, Aug., pp. 6-7.
Railroad—Gas Cutting in—H. Bass, Oct., pp. 18-21.
Railroad Rolling Stock, Welding of—V. R. Willoughby, Oct., pp. 55-58.
Rail Welding—J. G. Hartley, April, pp. 7-10.
Rail Welding Frogs and Crossing—S. E. Tracy, Jan., pp. 14-16.
Railroad Welding—Pictorial Review—May, pp. 2-3; June, p. 4.
Research in Great Britain—Feb., p. 15.
Residual Stresses—Discussion—C. J. Holslag, C. A. Adams, W. O. Boian, O. A. Tilton, E. H. Ewertz, R. E. Cecil, G. H. Moore, Jr., H. C. Boardman, D. H. Maxson, S. Blickman, O. T. Barnett, June, pp. 5-10.
Resistance—Time Control Solves Spot Welding Problems—H. Thomasson, July, p. 26.
Resistance Welding—Automatic—Harry Landstrom, Oct., pp. 12-14.
Resistance Welding—Flash Welding, Loss of Material in—E. Rietsch, July, Research Supplement, pp. 7-9.
Resistance Welding Improved by Thyratron Control—W. C. Hutchins, Aug., pp. 11-18.
Resistance Welding Truck Bodies—M. L. Eckman, Aug., pp. 19-20.
Rotary Lime Kiln—A. F. Davis, Sept., p. 39.

Safety in Welding—R. B. Lincoln, May, pp. 6-10.
Sheet Metals, Oxy-Acetylene Welding of—C. G. Bainbridge, April, pp. 14-17.
Ship—Assembly Plant for Welding of Barges—G. F. Wolfe, Oct., pp. 33-37.
Ship Construction, Some Effects of Welding—July, pp. 23-25.
Ship Doctor, Modern—A. F. Davis, Nov., p. 17.
Ship Structure, Tests and Arc Welding in—W. P. Roop, Oct., pp. 15-17.
Ship—Welding in Tanker Construction—T. M. Jackson, Oct., pp. 22-32.
Shipyard Installation—I. B. Yates, July, p. 7.
Ships Welded—A. F. Davis, Sept., pp. 29-31.
Ship Welding—All-Welded Steel Tankers—A. C. Leigh, Oct., pp. 50-54.
Ship Welding Economics—Gordon G. Holbrook, Feb., pp. 16-20.
Ship Welding in Marine Construction—Frank Hirner, July, p. 27.
Ship Welding—Pictorial Review—June, pp. 2-3; Aug., p. 33.
Ships—Arc Welding Cargo Vessel—A. F. Davis, June, p. 19.
Shrinkage Distortion in Welding—W. Spraragen and G. E. Claussen, July, Research Supplement, pp. 29-39.
Shrinkage Stresses in Welding—W. Spraragen and G. E. Claussen, Nov., Research Supplement, pp. 2-62.
Specifications for Steel Suitable for Fusion Welding—Jan., p. 8.
Specifications, What Should Be Considered in—M. Wandelt, Nov., pp. 23-26.
Special Welding Characteristics of Some Copper Base Alloys—D. K. Crampton and J. J. Vreeland, Oct., Research Supplement, pp. 9-18.
Spot Welding of Low Alloy Steels—G. S. Mikhalapov, Oct., pp. 59-61.
Stack Arc-Welded—P. C. Sowersky, April, p. 6.
Stainless as Applied to Pressure Vessels—J. C. Holmberg, Oct., pp. 44-49.
Stainless Steel—Corrosion Tests—National Bureau of Standards—Feb., p. 8.
Stainless Steel Cutting—F. Judelsohn, March, pp. 14-15.
Stainless Steel, Welding of—V. W. Whitmer, Sept., pp. 8-19.
Standards, Foreign—G. E. Claussen, Feb., pp. 14-15.
Steel—Effect of Total Carbon and Manganese on Weldability—W. Spraragen and G. E. Claussen, Sept., Research Supplement, pp. 23-32.
Steel Mill, Welding in—G. O. Carter, May, pp. 11-15.
Strain Measurements in Welded Joints—J. L. Banville and H. A. Storrs, June, Research Supplement, pp. 2-4.
Stress Distribution in Fillet Welds—A. G. Solakian and G. E. Claussen, May, Research Supplement, pp. 2-24.
Structural—All-Welded Industrial Plant—A. S. Low, Nov., p. 20.
Structural—Broadcasting Tower—Merritt L. Smith, June, p. 33.
Structural—Design of Connections—H. C. Whittlesy, July, pp. 17-23.
Structural—Effect of Welded Top Angles on Beam-Column Connections—Inge Lyse and G. J. Gibson, Oct., Research Supplement, pp. 2-9.
Structural—German Specifications for Welded Highway Bridges—Nov., p. 26.
Structural—Golden Gate Bridge—E. L. Mathy, July, pp. 4-7.
Structural—Houses Ready Built—A. F. Davis, June, p. 23.
Structural—International Silver Plant, Welding—A. S. Low, June, pp. 22-23.
Structural—Jersey Municipal Stadium—H. C. Clark, Sept., p. 31.
Structural—Light-Load Steel Framing for Residences—G. E. Routh, July, pp. 13-15.
Structural—New German Bridges—Dr. Ing. G. Schaper, Sept., pp. 32-39.
Structural—Pictorial Review—Sept., pp. 46-47.
Structural—Welded Church—A. F. Davis, May, p. 16.
Structural Steel—New Lincoln Tunnel—Martin P. Korn, Sept., pp. 6-7.
Structural—Welded Girders with Inclined Stiffeners—C. D. Jensen, and W. F. Lotz, Jr., Oct., Research Supplement, pp. 27-29.
Structural Welding, Good Practice in—A.R.E.A. Committee—Sept., pp. 3-6.
Structural Welding Mistakes—Martin P. Korn, May, pp. 15-16.
Structures—Designs Involving Fillet Weld—C. D. Jensen, Jan., pp. 2-4.
Structures—Welded Industrial Building—A. S. Low, Jan., p. 10.
Structures—Welding in Construction—Gilbert D. Fish, Feb., pp. 2-8.
Symbols—Instruction for Their Use—American Welding Society Report—June, Research Supplement, pp. 2-12.

Tanks, Gasoline Storage—R. B. Reid, Sept., p. 45.
Tanks, Large, The Welding of—H. C. Boardman, June, pp. 16-19.
Tanks—Plate Crumples But Welds Hold—H. S. Card, Sept., p. 28.
Temperature Distortion During Welding—W. Spraragen and G. E. Claussen, Sept., Research Supplement, pp. 4-10.
Thermit Repair Restores Cable Car—M. L. Smith, June, p. 30.
Thermit Welded Rail Joints for High-Grade Rails—W. Ahlert, Nov., Research Supplement, pp. 63-64.

Warping, Overcoming—H. W. Pierce, March, p. 19.
Welding and Casting—H. A. Shiffli, June, pp. 20-22.
Welding Growth—Pictorial Review—Oct., pp. 62-63.
Wrought Iron—W. Spraragen and G. E. Claussen, Sept., Research Supplement, pp. 11-22.
Wrought Iron—Discussion of—B. D. Landes, Oct., Research Supplement, pp. 71-72.

X-Ray Methods of Studying Stress Relief in Welds—J. T. Norton, Oct., Research Supplement, pp. 19-22.

INDEX TO AUTHORS

Adams, C. A.—Residual Stresses, June, pp. 5-6.
Ahlert, W.—A New German Thermit Welded Rail Joint for High-Grade Rails, November Supplement, pp. 63-64.
Aitchison, R. B.—Wrinkle Bending—A Method for the Field Fabrication of Pipe Bends, November, pp. 15-17.
American Railway Engineering Association—Good Practice in Structural Welding, September, pp. 3-6.
American Welding Society—Society Activities—Year Book—

Membership Directory, By-Laws, Financial Statement, Committee Reports, December.
Technical Reports—Qualification of Processes and Operators, July 1937, pp. 15–16.
Specifications for Filler Metal, August, pp. 21–26.
Symbols—June Supplement, pp. 2–12.
A. R. E. A.—Good Practice in Structural Welding—September, pp. 3–6.
A. S. M. E.—Welding of Chrome-Nickel Steel, June, p. 18.
A. S. T. M.—Specification for Steel Suitable for Welding, January, p. 8.
AYSSLINGER, H.—Welding High-Tensile Boiler Steels, June, pp. 15–16.

BAINBRIDGE, C. G.—Oxyacetylene Welding of Sheet Metals, April, pp. 14–17.
BANVILLE, J. L.—Strain Measurements in Welded Joints, June Supplement, pp. 1–4.
BARNETT, O. T.—Residual Stresses, June, pp. 7–8.
BENNETT, IRVING T.—Building Up Locomotive Driving Boxes, October, pp. 37–43.
BIBBER, L. C.—Laboratory Corrosion Tests of Welded Low-Carbon Stainless Steel, April, pp. 18–19.
BIERETT, G.—Fatigue Behavior of Welded Beams, May, pp. 10–11.
BLICKMAN, S.—Residual Stresses, June, pp. 6–7.
BOARDMAN, H. C.—The Application of Welding to Large Steel Tanks, June, pp. 16–19; Residual Stresses, June, pp. 9–10.
BOIAN, W. O.—Residual Stresses, June, p. 8.
BRASS, H.—Mechanical Cutting in Railroad Works, October, pp. 18–21.
BRONZON, C. B.—Rail End Building Up and Heat Treatment by the Arc Method, Jan., pp. 12–13.
BRUCKNER, WALTER H.—The Heat Effect in Welding—A Review of the Literature to January 1937, October Supplement, pp. 53–70.
BULLOCK, H. R.—Studies of the Oxyacetylene Cutting Process, October Supplement, pp. 50–52.
BURDITT, K. S.—All Steel Deep Throat Presses, June, p. 15.

CANDY, A. M.—Development of Covered Electrode Arc Welding, November, pp. 11–12.
CARD, H. L.—Arc Welding Forges Ahead, November, p. 19.
CARD, H. S.—Casing Pipe Welding, September, pp. 27–28.
Plate Crumples But Welds Hold, September, p. 28.
CARTER, G. O.—Past and Future of Welding in the Pittsburgh District, May, pp. 11–15.
CARTER, J. C.—Careful Procedure Assures Success on Bronze-Welding Job, Jan., pp. 7–8.
CAVANAGH, R. F.—Magnaflux Inspection of Boiler Drums and Unfired Pressure Vessels, April, pp. 28–30.
CECIL, R. E.—Residual Stresses, June, p. 8–9.
CHAPMAN, EVERETT—Welded Steel in High Speed Railroad Service, July, pp. 8–12.
CLARK, H. C.—Jersey Municipal Stadium, September, p. 31.
CLARK, L. W.—Power Supply for Welding, October, pp. 64–70.
CLARK, S. C.—Stove Piping, Feb., pp. 24–25.
CLAUSSEN, G. E.—(See Welding Research Committee.)
COOPER, J. H.—Distortion Control in Fabricating a 200-Ton Chain Testing Press, August, pp. 27–28.
CRAMPTON, D. K.—Spot Welding Characteristics of Some Copper-Base Alloys, October Supplement, pp. 9–18.

DAVIS, A. F.—Pictorial Review, January, pp. 9–10.
Welded Manifold, April, p. 20.
Welded Church, May, p. 16.
Arc Welding Cargo Vessel, June, p. 19.
Can Now Buy Houses, Ready Built, Right at the Factory, June, p. 23.
Making Furniture, August, p. 29.
Welded Ships, September, pp. 29–31.
World's Largest Rotary Lime Kiln, September, p. 39.
Modern Ship's Doctor, November, p. 17.
DIGUILIO, ARMAND—Metallurgical Problems of Welding in the Automobile Industry, March, pp. 8–14.
DOUGLAS, A. S.—Power Supply for Welding, October, pp. 64–70.

ECKMAN, M. L.—Manufacturing Special Truck Bodies, August, pp. 19–20.
ELLINGER, G. A.—Laboratory Corrosion Tests of Welded Low-Carbon Stainless Steel, April, pp. 18–19.
ESSLINGER, F. J.—Welding of 70,000 Minimum Tensile Steel, January, pp. 20–21.
EWERTZ, E. H.—Residual Stresses, June, p. 8.

FISH, E. R.—Inspection of Welded Pressure Vessels, May, pp. 4–5—Qualifying Welding Operators, Bureau of Navigation, Aug., pp. 30–32.
FISH, G. D.—Welding Construction, February, pp. 2–8—Qualifying Welding Operators, Bureau of Navigation, Aug., pp. 30–32.
FRAZIER, N.—Influence of Volt-Amperes Characteristics on Penetration, November, pp. 13–14.

GALLOWAY, WM. M.—Welding on the Fort Peck Dam Project, April, p. 19.
GIBSON, A. E.—The Nickel-Copper High-Strength Steels for Welded Construction, February Supplement, pp. 2–6.
GIBSON, G. J.—An Investigation of Plug and Slot Welds, July Supplement, pp. 10–21.
Effect of Welded Top Angles on Beam-Column Connections, October Supplement, pp. 2–9.

HARTLEY, J. G.—Rail Welding, April, pp. 7–10.
HAYNES STELLITE CO.—Hard Facing, January, p. 10.
HAYS, W. S.—Qualifying Welding Operators, Bureau of Navigation, August, pp. 30–32.
HENRY, O. H.—Static Impact Tensile Properties of Some Welds at Ordinary and Low Temperatures, October Supplement, pp. 41–46.
HIRNER, FRANK—Carbon Arc Welding in Marine Construction, July, p. 27.
HOLBROOK, GORDON G.—Economics of Welding and Cutting from a Cost Standpoint, February, pp. 16–20.
HOLMBERG, J. C.—Stainless as Applied to Pressure Vessels, October, pp. 44–49.
HOLSLAG, C. J.—Corrosion of Welds, January, p. 4.
Residual Stresses, June, p. 5.
HOOK, I. T.—The Welding of Copper and Its Alloys—A Review of the Literature to January 1, 1936, February Supplement, pp. 7–31.
The Welding of Copper and Its Alloys, A Review of the Literature to January 1, 1936, March Supplement, pp. 33–46.
HOPKINS, R. K.—Construction of Welded Pressure Vessels for the Petroleum Industry, January, pp. 16–19.
HUNTER, J. B.—Some Effects of Welding on Ship Construction, July, pp. 23–25.
HUTCHINS, WARREN C.—Resistance Welding Improved by Thyratron Control, August, pp. 11–18.

INSKEEP, H. V.—How to Cut Stainless-Clad and Nickel-Clad Steel Plate, August, pp. 2–5.

JACKSON, T. M.—Welding in Tanker Construction, October, pp. 22–32.
JACOBUS, D. S.—Address of Welcome at the Meeting of the National Board of Boiler and Pressure Vessel Inspectors Convention in New York City, May 24, 1937, June, pp. 34.
JEFFERSON, T. B.—Welding—An Aid in Dam Construction, October, pp. 5–12.
JENSEN, C. D.—Designs Involving Fillet Welds, January, pp. 2–4.
Welded Girders with Inclined Stiffeners, October Supplement, pp. 27–29.
JESSOP, G. A.—Welded Structures for Hydraulic Turbines, April, pp. 2–6.
JOHNSTON, T.—Fabrication of Machine Parts by Welding, June, pp. 30–32.
JONES, OWEN C.—Aluminum Chairs, June, p. 32.
JUDELSOHN, FRED—Flame Cutting Stainless Steel (18–8), March, pp. 14–15.

KANDEL, CHARLES—Cutting Steel Underwater, April, p. 31.
KELLER, R. B.—Braze Welding a Guillotine Shear Frame, February, p. 13.
KENNEDY, R. K.—Hard-Faced Circular Saws, August, p. 10.
Blade Warpage Overcome, November, pp. 18–19.
KINGSLEY, JR., D. M.—Peening and Its Effects on Arc Welds, July Supplement, pp. 22–28.
KINZEL, A. B.—Welding Low-Alloy Steels, October, p. 61.
KORN, M. P.—Structural Welding Mistakes, May, p. 15–16.
The New Lincoln Tunnel, September, pp. 6–7.
KOUWENHOVEN, W. B.—An Alternating Current Non Destructive Test for Welded Seams, October Supplement, pp. 47–50.
KUHLMANN, E.—Brazing in a Continuous Furnace with Protective Atmosphere, November Supplement, pp. 62–63.

LANDES, B. D.—Discussion on Fusion Welding Wrought Iron, October Supplement, pp. 71–72.
LANDSTROM, HARRY—Automatic Resistance Welding, October, pp. 12–14.
LARSON, LOUIS J.—Some Factors to Be Considered in the Choice of a Welding Process, September, pp. 40–45.
LAYNG, F. R.—Rail—Recent Tests and Development, August, pp. 6–7.
LEIGH, A. C.—All Welded Steel Tankers, October, pp. 50–54.
LEVAN, E. E.—Steel Hard Facing Procedure, April, pp. 32–36.
LINCOLN, R. B.—Safety in Welding, May, pp. 6–10.
Qualifying Welding Operators, Bureau of Navigation, Aug., pp. 30–32.
LOHMANN, WILHELM—Progress in Welding During the Last Six Months of 1936, June Supplement, pp. 11–16.
LONG, R. E.—Factors Affecting the Properties of Welds and the Base Metal Adjacent to the Weld, April, pp. 19–20.
LOTZ, JR., W. F.—Welded Girders with Inclined Stiffeners, October Supplement, pp. 27–29.
LOUIS, C.—Why Welding Procedure Control? June, pp. 28–30.
LOW, A. S.—Welded Industrial Building, January, p. 10.
International Silver Plant Is First of New Rigid Frame Saw-Tooth Design, June, pp. 22–23.
All Welded Industrial Plant, November, p. 20.
LLEWELLYN, DON.—Rebuilding and Facing Manganese Steel Shovel Teeth, March, p. 15.
LYON, W. M.—Welding Cast Iron Impeller in Chemical Plant, April, p. 13.

LYSE, INGE—Effect of Welded Top Angles on Beam-Column Connections, October Supplement, pp. 2–9.

MCCAWLEY, A. S.—Welding in the Construction of Building Pipping Service, July, pp. 28–30.
MACCUTCHEON, JR., E. M.—Peening and Its Effects on Arc Welds, July Supplement, pp. 22–28.
MAGUIRE, JAMES F.—Electric Arc Welding of Monel Metal Structures, July Supplement, pp. 4–7.
MATHIAS, D. L.—Fluxes—Their Function in Metallic Arc Welding, February, pp. 20–24.
MATHY, E. L.—The Golden Gate Bridge Is Completed, July, pp. 4–7.
Welded Diesel Engine Cylinder Head, August, pp. 28–29.
Hand Operated Cutting Torches Retain Their Unlimited Application Scope, September, p. 19.
MAXSON, DONALD G.—Residual Stresses, June, p. 6.
MEADOWCROFT, J. W.—Welding Jigs and Fixtures, April, pp. 11–13.
MECLEARY, E. R.—For the Auto Body "Doctor," September, p. 23.
MIKHALAPOV, G. S.—Spot-Welding of Low-Alloy Steels, October, pp. 59–61.
MOCHEL, NORMAN L.—Welding and Annealing the Telescope Parts, June, pp. 24–27.
MOORE, JR., GALEN H.—Residual Stresses, June p. 9.
MOSSHOLD, M. G.—Repairing Casting, September, p. 31.

NATIONAL BUREAU OF STANDARDS—Stainless Steel Corrosion Tests, February, p. 8.
NORTON, JOHN T.—X-ray Methods of Studying Stress Relief on Welds, October Supplement, pp. 19–22.

OBERT, C. W.—Recent Developments in Fusion Welding, November, pp. 27–30.
OSBORNE, S. C.—What Happens in the Welding Arc, June, pp. 11–15.

PIERCE, H. W.—Overcoming Warping, March, p. 19.
PLUMMER, FRED L.—Model Aids in Machine Tool Design, March, p. 7.

RATHBONE, T. C.—Detection of Fatigue Cracks by Magnaflux Method, April, pp. 22–27.
REID, C. W.—Qualifying Welders of Silicon Bronze, March, pp. 5–7.
REID, R. B.—Gargantuan "Tomato" Hugh all Welded Gasoline Storage Tank, September, p. 45.
RIETSCH, E.—Loss of Material in Flash Welding and Automatic Flash Welders, July Supplement, pp. 7–9.
ROOP, W. P.—Tests and Arc Welding in Ship Structure, October, pp. 15–17.
ROUTH, G. E.—Light-Load Steel Framing for Residences, July, pp. 13–15.

SCHAPER, DR. ING. G.—New German Bridges, September, pp. 32–39.
SHEPHEARD, H. C.—Approved Method for Repairing Furnace Crowns, July, p. 27.
SHIFFLI, H. J.—Welding and Casting Not Welding *vs.* Casting, June, pp. 20–22.
SITLER, W. F.—A Device to Air Welding of Long Monel Sheets, April, p. 6.
SLOTTMAN, DR. G. V.—What Happens During Welding and Cutting, February, pp. 9–13.
SMITH, M. L.—New Transport Plane Employs Arc Welded Construction, April, p. 10.
Thermit Repair Again Restores Cable Car Service in Rapid Time, June, p. 30.
Welded Broadcasting Tower for K. F. W. B., June, p. 33.
SNOWERSKY, P. C.—90 Foot Arc Welded Stack Self Supporting, April, p. 6.
SOLAKIAN, A. G.—Stress Distribution in Fillet Welds—A Review of the Literature to Jan. 1, 1937, May Supplement, pp. 1–24.
SPAULDING, R. L.—Arc Welding Power Supply, August, pp. 8–10.
SPRARAGEN, W.—(See Welding Research Committee.)
STORRS, H. A.—Strain Measurements in Welded Joints, June Supplement, pp. 1–4.

THOMASSON, H.—Time Control Solves Spot Welding Problems, July, p. 26.
TILTON, O. A.—Residual Stresses, June, p. 8.

VERSON, HAROLD—Welded Steel in Heavy Machinery, March, pp. 2–4.
VIVELL, A. E.—An Alternating Current Non-Destructive Tests for Welded Seams, October Supplement, pp. 47–50.
VREELAND, J. J.—Spot Welding Characteristics of Some Copper-Base Alloys, October Supplement, pp. 9–18.

WALL, A. S.—Growth and Spread of Arc Welding in Canada, November, pp. 5–11.
WANDELT, M.—What Developments in Welding Should Be Considered in Revising Specifications, November, pp. 23–26.
WELDING RESEARCH COMMITTEE
Fatigue Strength Welded Joints—W. Spraragen and G. E. Claussen, January Supplement, pp. 1–44.
The Nickel Copper High Strength Steels for Welded Construction—A. E. Gibson, February Supplement, pp. 2–6.
The Welding of Copper and Its Alloys—A Review of the Literature to January 1, 1936, I. T. Hook, February Supplement, pp. 7–32.
Welding Cast Iron—W. Spraragen and G. E. Claussen, March Supplement, pp. 2–32.
The Welding of Copper and Its Alloys—A Review of the Literature to January 1, 1936, March Supplement, pp. 33–46.
Welding Cast Steel—A Review of the Literature to November 1, 1936, April Supplement, pp. 2–11.
Progress in Welding During the Last Six Months of 1936, April Supplement, pp. 11–16.
Stress Distribution in Fillet Welds—A Review of the Literature to January 1, 1937, May Supplement, pp. 1–24.
Strain Measurements in Welded Joints, J. L. Banville and H. A. Storrs, June Supplement, pp. 1–4.
Welding Special Ferrous Alloy Castings—A Review of the Literature to November 1, 1936, June Supplement, pp. 5–9.
Welding Malleable Cast Iron—A Review of the Literature to December 1, 1936, W. Spraragen and G. E. Claussen, June Supplement, pp. 10–14.
Welding High Tensile Boiler Steels, June Supplement, pp. 15–16.
Electric Arc Welding of Monel Metal Structures, July Supplement, pp. 4–7.
Loss of Material in Flash Welding and Automatic Flash Welders, July Supplement, pp. 7–9.
An Investigation of Plug and Slot Welds, G. J. Gibson, July Supplement, pp. 10–21.
Peening and Its Effects on Arc Welds, E. M. MacCutcheon, Jr., and D. M. Kingsley, Jr., July Supplement, pp. 22–28.
Shrinkage Distortion in Welding—A Review of the Literature to Jan. 1, 1937, July Supplement, pp. 29–40.
Corrosion Resistance of Welded Joints—A Review of the Literature to Jan. 1, 1937, August Supplement, pp. 1–44.
Effect of Welded Top Angles on Beam Column Connections, I. Lyse and G. J. Gibson, October Supplement, pp. 2–9.
Spot Welding Characteristics of Some Copper Base Alloys, D. K. Crampton, J. J. Vreeland, October Supplement, pp. 9–18.
X-ray Methods of Studying Stress Relief in Welds, J. T. Norton, October Supplement, pp. 19–22.
Fatigue Tests of Butt Welds in Structural Plates, W. M. Wilson, October Supplement, pp. 23–27.
Welded Girders with Inclined Stiffeners, C. D. Jensen, and Wm. F. Lotz, Jr., October Supplement, pp. 27–29.
Welding of Copper, A. P. Young, October Supplement, pp. 30–40.
Static and Impact Tensile Properties of Some Welds at Ordinary and Low Temperature, O. H. Henry, October Supplement, pp. 41–46.
Temperature Distribution During Welding—A Review of the Literature to Jan. 1, 1937, W. Spraragen and G. E. Claussen, September Supplement, pp. 4–10.
Fusion Welding Wrought Iron, W. Spraragen and G. E. Claussen, September Supplement, pp. 11–22.
The Effect of Total Carbon and Manganese on the Mechanical Properties and Structure of Welded Joints in Plain Low Carbon Steel, W. Spraragen and G. E. Claussen, September Supplement, pp. 23–32.
An Alternating Current Non-Destructive Test for Welded Seams, W. B. Kouwenhoven and A. E. Vivell, October Supplement, pp. 47–50.
Studies of the Oxyacetylene Cutting Process, H. R. Bullock, October Supplement, pp. 50–52.
The Heat Effects in Welding—A Review of the Literature to Jan. 1937, W. H. Bruckner, October Supplement, pp. 53–70.
Discussion on Fusion Welding Wrought Iron, B. D. Landes, October Supplement, pp. 71–72.
The Relation of Research to Teaching and to Industry, Prof. W. M. Wilson, November Supplement, pp. 1 and 64.
Shrinkage Stresses in Welding—A Review of the Literature to Jan. 1, 1937, November Supplement, pp. 2–62.
Brazing in a Continuous Furnace with Protective Atmosphere, E. Kuhlmann, November Supplement, pp. 62–63.
A New German Thermit Welded Rail Joint for High-Grade Rails, W. Ahlert, November Supplement, pp. 63–64.
WHITMER, V. W.—The Welding of Stainless Steel, September, pp. 8–19.
WHITTLESEY, H. C.—Design of Connections, July, pp. 17–23.
WIKOFF, A. G.—Grand Coulee Dam, September, pp. 20–22.
WILLOUGHBY, V. R.—Welding of Railroad Rolling Stock, October, pp. 55–58.
WILSON, W. M.—Fatigue Tests of Butt Welds in Structural Plates, October Supplement, pp. 23–27.
Fatigue Tests of Butt Welds in Structural Plates, November, p. 22.
The Relation of Research to Teaching and to Industry, November Supplement, pp. 1 and 64.
WOLFE, GEORGE F.—Assembly Plant for the Welding of Barges, October, pp. 33–37.
WOOFTER, H. A.—Safe Ending Locomotive Boiler Flues and Super-Heater Tubes, September, pp. 24–27.

YANT, J. W.—The Magnaflux Inspection of Pressure Vessel Welds, January, pp. 5–7.
YATES, I. B.—Shipyard Installation, July, p. 7.
YOUNG, A. P.—Welding of Copper, October Supplement, pp. 30–40.
YOUNGSTOWN SHEET & TUBES, Welding Can Take It, January, p. 11.